INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/052402

A. CLASSIFI	ICATION OF SUBJECT MATTER E21B43/10 E21B23/01 E21B17/	10	
IPC 7	E21B43/10 E21B23/01 E21B17/	10 E21B33/128	
	International Patent Classification (IPC) or to both national classification	cation and IPC	
B. FIELDS S	SEARCHED cumentation searched (classification system followed by classification system followed by classific	tion symbols)	
	E21B		
Documentation	on searched other than minimum documentation to the extent that	such documents are included in the fields se	arched
	ata base consulted during the international search (name of data b	ease and, where practical, search terms used,	
EPO-Int	ternal .		
	ENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relationships to the relation of the relation	relevant passages	Relevant to claim No.
Category *	Citation of document, with indication, which appropriate, or the		
х	WO 03/008760 A (SHELL CANADA LTI	;BOSMA	1-4,
	MARTIN GERARD RENE (NL); CORNEL	ISSEN ERIK)	13-15
	30 January 2003 (2003-01-30) page 8, line 31 - page 9, line	17	
	figures 1A-1C,3A-3C		
A	WO 03/006789 A (SHELL CANADA LT	D ; POINTING	1
,,	MICHAEL EDWARD (NL); SHELL INT	RESEARCH)	
	23 January 2003 (2003-01-23) abstract		
	figures 1-4		
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A	18 July 2002 (2002-07-18)	u	
	paragraphs '0050!, '0076!		
	figures 6A,6B,20		
		Patent family members are listed	I in annex.
	rther documents are listed in the continuation of box C.	A . a and lamily members are listed	
	categories of cited documents:	"T" later document published after the in or priority date and not in conflict wit	nine application but
ons cons	nent defining the general state of the art which is not idered to be of particular relevance	cited to understand the principle or t invention	
filing	r document but published on or after the international date	"X" document of particular relevance; the cannot be considered novel or cann involve an inventive step when the constitution.	ot be considered to
which	nent which may throw doubts on priority claim(s) or h is cited to establish the publication date of another	 V* document of particular relevance: the 	claimed invention
O. gocni	ion or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or	cannot be considered to involve an document is combined with one or ments, such combination being obv	nore other such docu-
'P' docur	r means r means the published prior to the international filing date but the published prior to the international filing date but	in the art. *&* document member of the same pater	
	r than the priority date claimed e actual completion of the international search	Date of mailing of the international se	
		11/01/0005	
	3 January 2005	11/01/2005	
Name and	d mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NI. – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni,	Schouten, A	
j.	Fax (+31-70) 340-3016	Jonouten, A	

Form PCT/ISA/210 (second sheet) (January 2004)

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 16

Claim 16 contains a reference to the drawings. According to Rule 6.2(a) PCT, claims should not contain such references except where absolutely necessary, which is not the case here.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.



Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
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2. X Claims Nos.: 16 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This international Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

INTERNATIONAL SEARCH REPORT

information on patent family members

Internal Application No		
PCT/EP2004/052402		

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